

## CLAIMS

I Claim:

1           1. A wind resistant roof slate assembly comprising:  
2           a plurality of generally rectangular, lightweight overlapping  
3 roof slates, each of said roof slates comprising a mounting end, a  
4 distal end, a top surface and a bottom surface;

5           a plurality of windlock anchors for directly securing the  
6 mounting end of said roof slates to a roof of a building, where  
7 said windlock anchors extend through the mounting end into the  
8 roof to provide a wind resistant connection; and

9           a water based sealer applied to the top surface of said roof  
10 slate;

11           wherein said roof slates are disposed on the roof so that the  
12 distal end of a first of said roof slates overlaps the mounting  
13 end of an adjacent roof slate.

1           2. The assembly according to claim 1, further comprising a  
2 weatherproof underlayment disposed on the top surface of the roof  
3 wherein the mounting end of said roof slates are mounted to the  
4 underlayment by the windlock anchors.

1           3. The assembly according to claim 2, wherein said  
2 weatherproof underlayment comprises a granular felt layer.

1        4. The assembly according to claim 1, wherein said windlock  
2 anchor comprises a screw fastener with a plastic washer.

1        5. The assembly according to claim 1, further comprising an  
2 adhesive layer disposed on the bottom surface of said roof slates  
3 to further secure the mounting end of said roof slates to the roof  
4 and to secure the overlapping distal end of said roof slates to  
5 the top surface of an adjacent roof slate.

1        6. The assembly according to claim 5, wherein said adhesive  
2 layer is selected from the group consisting of mortars, thinset  
3 adhesives and foam adhesives.

1        7. The assembly according to claim 1, wherein said sealer is  
2 selected from the group consisting of cement wash nontoxic sealers  
3 and elastomeric coatings.

1        8. The assembly according to claim 1, wherein said roofing  
2 slates comprise autoclaved aerated concrete roofing slates.

1           9. A wind resistant roof slate assembly comprising:  
2           a plurality of generally rectangular, lightweight overlapping  
3 roof slates, each of said roof slates comprising a mounting end, a  
4 distal end, a top surface and a bottom surface;  
5           an adhesive layer applied to the bottom surface of said roof  
6 slates to further secure the mounting end of said roof slates to  
7 the roof and to secure the overlapping distal end of said roof  
8 slates to the top surface of an adjacent roof slate;  
9           a plurality of windlock anchors for directly securing the  
10 mounting end of said roof slates to a roof of a building, where  
11 said windlock anchors extend through the mounting end into the  
12 roof to provide a wind resistant connection; and  
13           a water based sealer applied to the top surface of said roof  
14 slate;  
15           wherein said roof slates are disposed on the roof so that the  
16 distal end of a first of said roof slates overlaps the mounting  
17 end of an adjacent roof slate.

1           10. The assembly according to claim 9, further comprising a  
2 weatherproof underlayment disposed on the top surface of the roof  
3 wherein the mounting end of said roof slates are mounted to the  
4 underlayment by the windlock anchors.

1        11.    The assembly according to claim 10, wherein said  
2 weatherproof underlayment comprises a granular felt layer.

1        12.    The assembly according to claim 9, wherein said windlock  
2 anchor comprises a screw fastener with a plastic washer.

1        13.    The assembly according to claim 9, wherein said adhesive  
2 layer is selected from the group consisting of mortars, thinset  
3 adhesives and foam adhesives.

1        14.    The assembly according to claim 9, wherein said sealer  
2 is selected from the group consisting of cement wash nontoxic  
3 sealers and elastomeric coatings.

1        15.    The assembly according to claim 9, wherein said roofing  
2 slates comprise autoclaved aerated concrete roofing slates.